

2011-08-29 Monday Morning Notes

Monday, August 29, 2011
8:10 AM

Numbers

- Stacking
 - Pbars stacked: 997.00 E10
 - Time stacking: 58.24 Hr
 - Average stacking rate: 17.12 E10/Hr

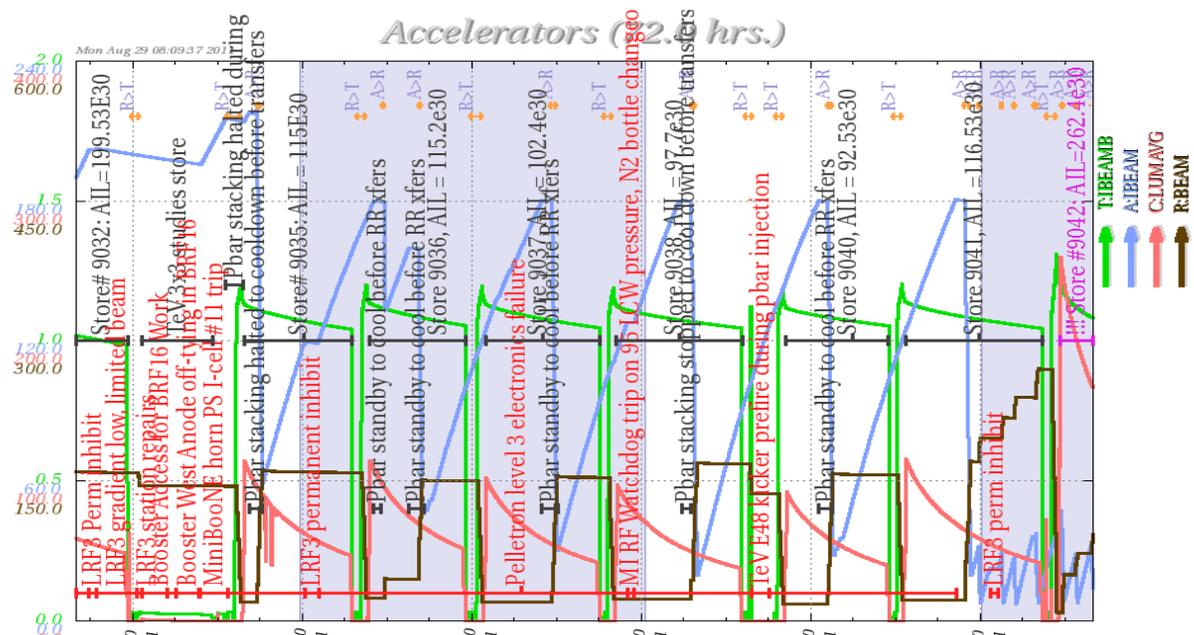
- Uptime
 - Number of pulses while in stacking mode: 81685
 - Number of pulses with beam: 76492
 - Fraction of up pulses was: 93.64%

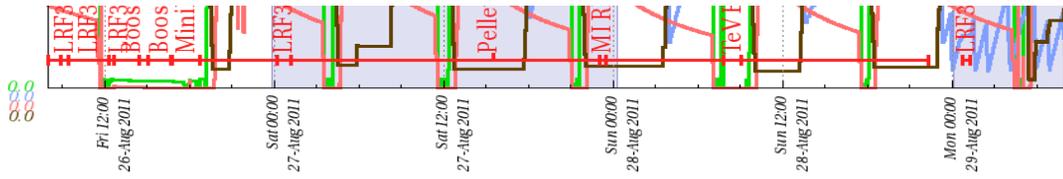
- The uptime's effect on the stacking numbers
 - Corrected time stacking: 54.54 Hr
 - Possible average stacking rate: 18.28 E10/Hr
 - Could have stacked: 1064.69 E10/Hr

- Recycler Transfers
 - Pbars sent to the Recycler: 1107.13 E10
 - Number of transfers : 64
 - Number of transfer sets: 14
 - Average Number of transfer per set: 4.57
 - Time taken to shoot including reverse proton tuneup: 00.22 Hr
 - Transfer efficiency: 91.39%

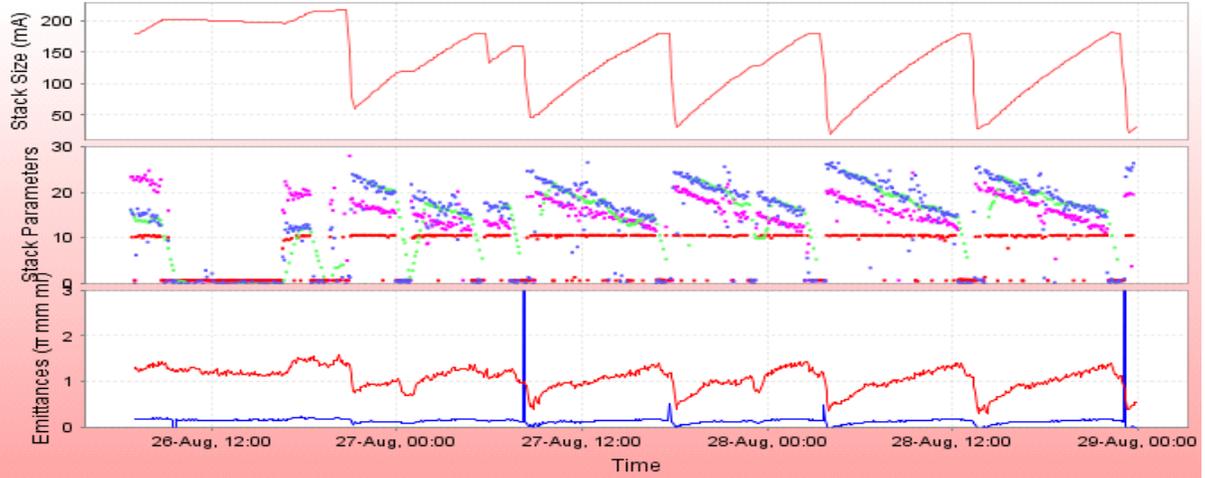
- Other Info
 - Average POT : 7.99 E12
 - Average production: 16.31 pbars/E6 protons

Plots

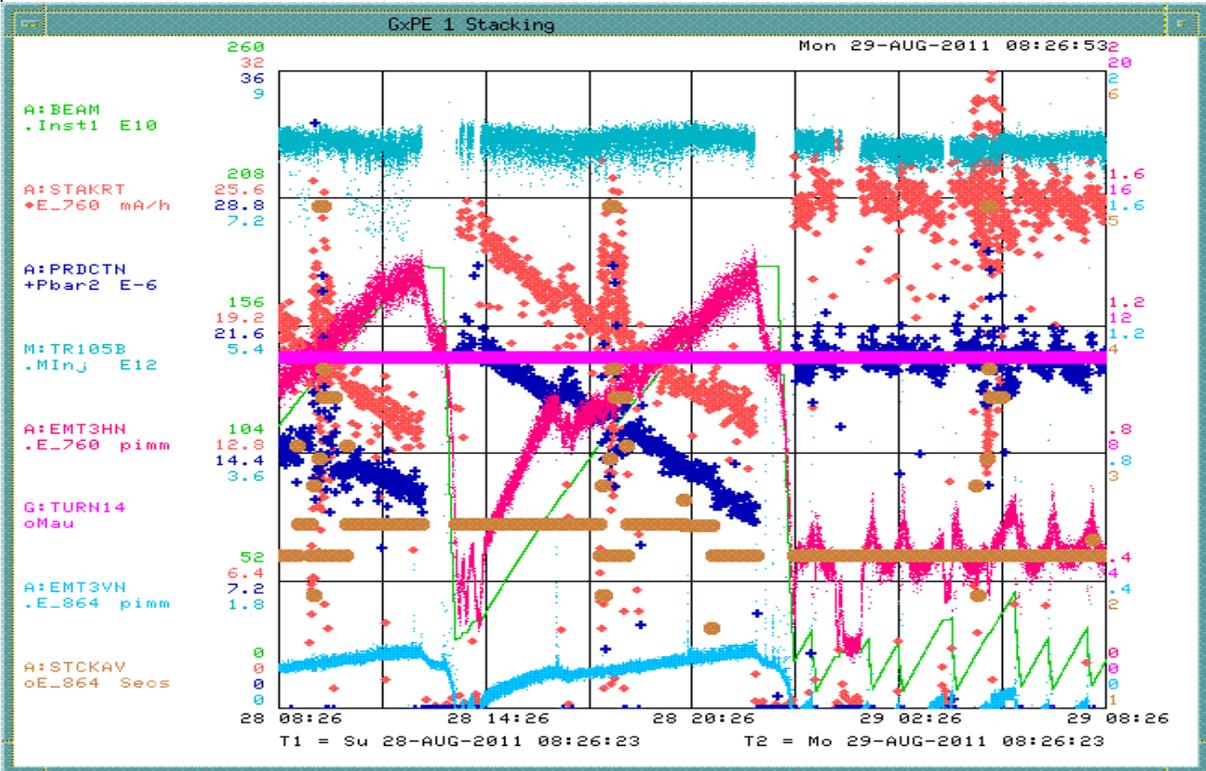


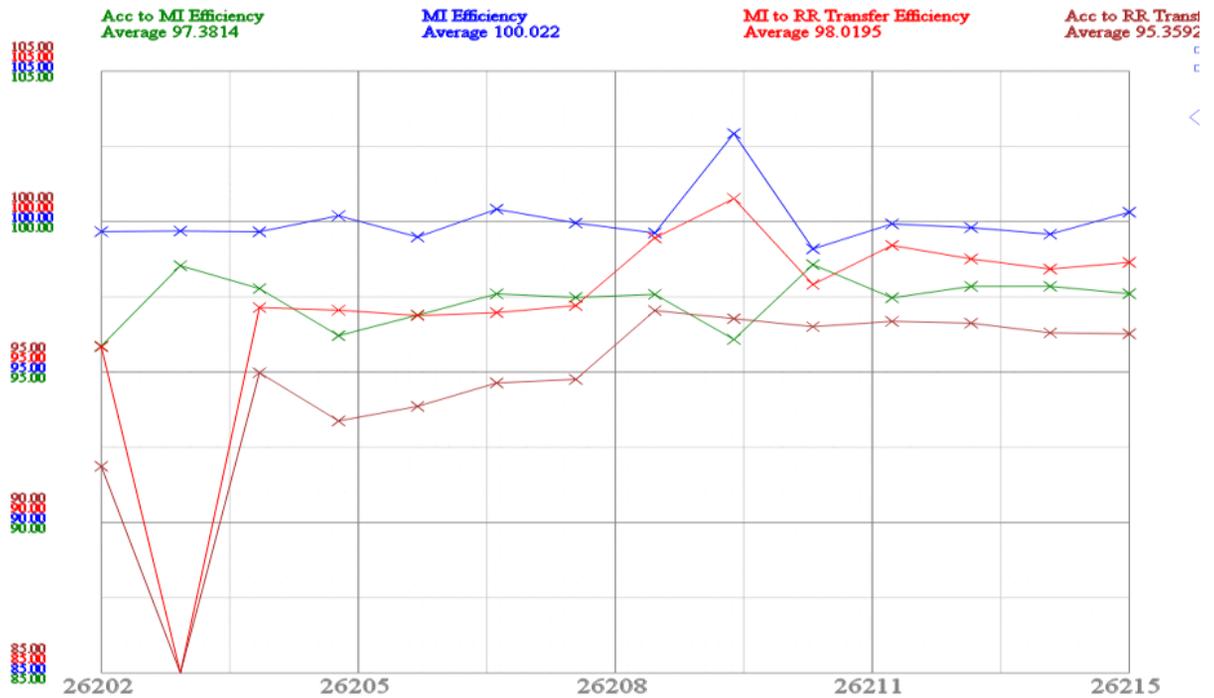
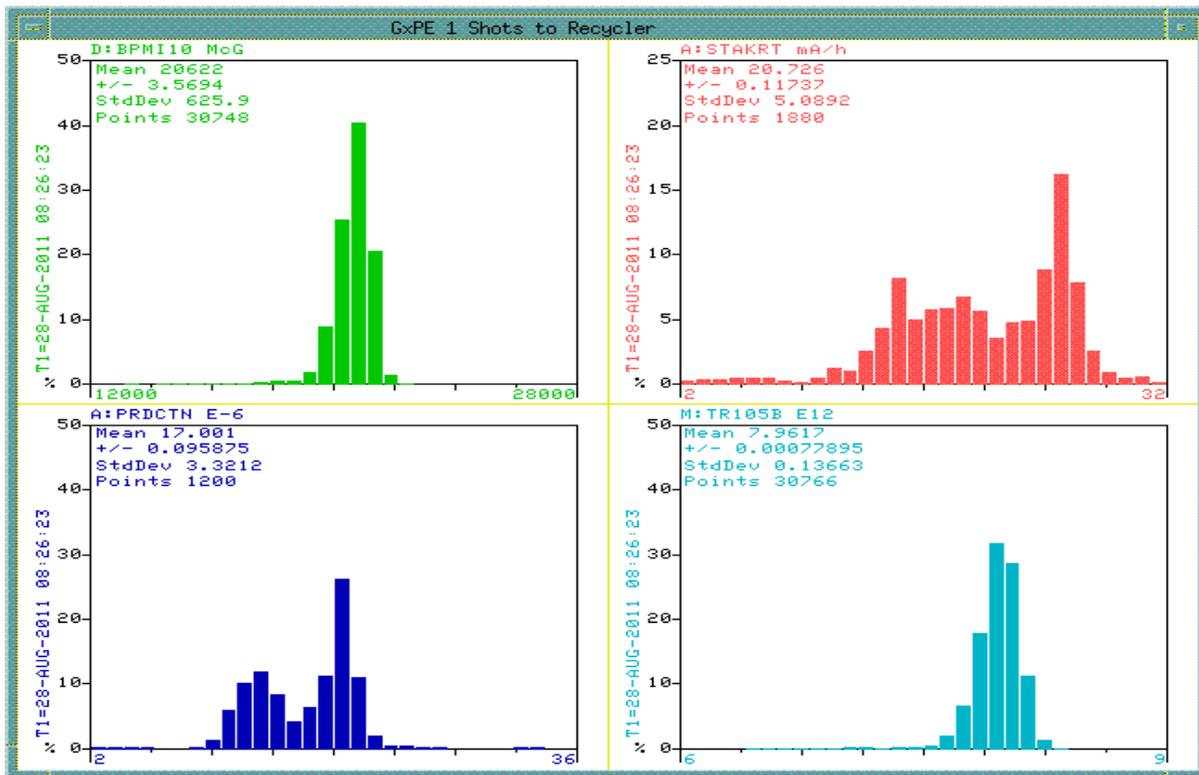


Fri Aug 26 07:00:00 CDT 2011 -- Mon Aug 29 07:00:00 CDT 2011



— A:IBEAM • A:STCKRT • Hourly Rate • M:TOR109 • A:PRDCTN — A:EMT3HN — A:EMT3VN
 — Ave Time between \$81's





Column 1 Number _0_Pbar Transfer Shot #	Column 4 Number_3 Transfer Time	Column 21 Number _20_Ad BEAMB sampled on #91 (A.BEA M7), E10	Column 22 Number _21_Ad BEAMB sampled on #94 (A.BEA M9), E10	Unstacked (mA)	Column 23 Number _22_RB EAMS (R.BEA ME0[0]) pre sfer E10	Column 24 Number _23_RB EAM (R.BEA ME0[1]) post sfer, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI * Acc to MI2 Efficiency	Transfers	Sets	Column 5 Number _4_Acc Horizont al Emittanc e	Column 6 Number _5_Acc Vertical Emittanc e	Column 8 Number _7_Acc Longitu dinal Emittanc e	
	Totals =>			511.28			487.37	95.32%	97.57%	97.69%	95.32%	37	9	5.7103	0.7755	1.9044	
	Daily Average =>			511.28			487.37					37	9				
26215	Monday, August 29, 2011	7.55	33.40	9.10	26.81	72.42	98.13	25.84	96.38%	97.89%	98.14%	96.06%	3	1	5.275	-0.213	2.068
26214	Monday, August 29, 2011	6.46	28.95	7.60	23.85	49.55	72.47	22.99	96.38%	98.00%	97.53%	95.58%	3	1	4.758	-0.633	2.036
26213	Monday, August 29, 2011	5.48	47.53	8.59	42.60	9.02	49.67	41.10	96.48%	97.65%	97.69%	95.39%	4	1	5.204	-0.158	1.99
26212	Monday, August 29, 2011	3.59	37.54	7.60	32.40	239.31	270.17	31.29	96.57%	97.93%	97.46%	95.45%	3	1	5.106	-0.364	1.946
26211	Monday, August 29, 2011	2.26	27.51	6.90	23.12	217.76	240.02	22.34	96.59%	98.57%	98.19%	96.79%	3	1	4.795	-0.631	2.021
26210	Monday, August 29, 2011	1.32	28.30	7.58	23.30	195.64	217.97	22.52	96.66%	96.71%	98.63%	95.39%	3	1	4.928	-0.528	2.039
26209	Sunday, August 28, 2011	23.55	32.30	7.27	27.12	170.37	196.34	26.28	96.91%	97.75%	97.44%	95.25%	3	1	4.816	-0.476	2.025
26208	Sunday, August 28, 2011	22.55	180.22	19.47	160.63	22.38	171.38	151.86	94.54%	97.38%	97.34%	94.80%	8	1	7.685	0.699	1.515
26207	Sunday, August 28, 2011	13.13	179.75	28.13	151.46	17.88	158.41	143.16	94.52%	97.50%	97.87%	95.42%	7	1	8.826	0.852	1.5